

ABSTRACT:

A device for producing laser radiation having a wavelength of about $2\mu\text{m}$, the device comprising: a solid-state sample capable of producing lasing transitions corresponding to a wavelength of about $2\mu\text{m}$; and a source of pumping radiation having a wavelength of about $1\mu\text{m}$, the source being arranged so that at least some of the radiation produced thereby is absorbed by the solid-state sample, causing the solid-state sample to emit radiation having a wavelength of about $2\mu\text{m}$.

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